

SEQUENCE LISTING

<110> Keizo Inoue

Hiroyuki Arai

<120> An animal with a knocked out α -tocopherol transfer protein gene

<130> PH-1014-PCT

<150> JP P1999-237003

<151> 1999-08-24

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<170> PatentIn Ver. 2.0

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<212> DNA

<213> Mus musculus

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cgc cgg gtg cag gag gca ggc gtc ccg cag acc ccg cag cct ctc aca	144
Arg Arg Val Gln Glu Ala Gly Val Pro Gln Thr Pro Gln Pro Leu Thr	
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Asp Ala Phe Leu Leu Arg Phe Leu Arg Ala Arg Asp Phe Asp Leu Asp	
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Leu Ala Trp Arg Leu Met Lys Asn Tyr Tyr Lys Trp Arg Ala Glu Cys	
65 70 75 80	
cca gaa tta agt gca gat cta cgc cct aga agt atc ctt gga ctt ctg	288
Pro Glu Leu Ser Ala Asp Leu Arg Pro Arg Ser Ile Leu Gly Leu Leu	
85 90 95	
aaa gct ggc tac cat ggc gtg ctc agg tcc cgg gat tct act ggc agt	336
Lys Ala Gly Tyr His Gly Val Leu Arg Ser Arg Asp Ser Thr Gly Ser	
100 105 110	
aga gtt ctc att tac aga att gca tac tgg gac cca aaa gtt ttt aca	384
Arg Val Leu Ile Tyr Arg Ile Ala Tyr Trp Asp Pro Lys Val Phe Thr	
115 120 125	
gct tat gat gta ttt cgt gta agt ctg atc aca tca gag ctc att gta	432
Ala Tyr Asp Val Phe Arg Val Ser Leu Ile Thr Ser Glu Leu Ile Val	

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Gln Glu Val Glu Thr Gln Arg Asn Gly Val Lys Ala Ile Phe Asp Leu			
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gaa ggc tgg cag gtt tct cat gct ttc caa att acc cca tct gta gcc	528		
Glu Gly Trp Gln Val Ser His Ala Phe Gln Ile Thr Pro Ser Val Ala			
165	170	175	
aag aag att gct gct gta ctt aca gat tcc ttt cca ctg aaa gtt cgt	576		
Lys Lys Ile Ala Ala Val Leu Thr Asp Ser Phe Pro Leu Lys Val Arg			
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ggg atc cat ttg ata aat gag cca gtc att ttc cat gct gtc ttc tcc	624		
Gly Ile His Leu Ile Asn Glu Pro Val Ile Phe His Ala Val Phe Ser			
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atg att aaa cca ttt ctg act gaa aag att aag gac cgg att cat ctg	672		
Met Ile Lys Pro Phe Leu Thr Glu Lys Ile Lys Asp Arg Ile His Leu			
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cac ggg aac aac tac aaa tca agc atg ctt cag cac ttc cca gac att	720		
His Gly Asn Asn Tyr Lys Ser Ser Met Leu Gln His Phe Pro Asp Ile			
225	230	235	240
ctt cct cgg gaa tat ggc ggt aaa gag ttc tcc atg gag gat att tgt	768		
Leu Pro Arg Glu Tyr Gly Gly Lys Glu Phe Ser Met Glu Asp Ile Cys			
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Asp Ala Phe Leu Leu Arg Phe Leu Arg Ala Arg Asp Phe Asp Leu Asp
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Leu Ala Trp Arg Leu Met Lys Asn Tyr Tyr Lys Trp Arg Ala Glu Cys
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Pro Glu Leu Ser Ala Asp Leu Arg Pro Arg Ser Ile Leu Gly Leu Leu
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Lys Ala Gly Tyr His Gly Val Leu Arg Ser Arg Asp Ser Thr Gly Ser
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Arg Val Leu Ile Tyr Arg Ile Ala Tyr Trp Asp Pro Lys Val Phe Thr
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Met Ile Lys Pro Phe Leu Thr Glu Lys Ile Lys Asp Arg Ile His Leu
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His Gly Asn Asn Tyr Lys Ser Ser Met Leu Gln His Phe Pro Asp Ile
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Arg Arg Val Gln Glu Ala Gly Val Pro Gln Thr Pro Gln Pro Leu Thr

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